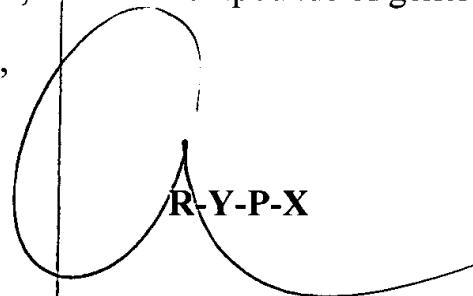


We claim:

1. Means for tumor therapy on a liposome basis, containing:
  - an alkylphospholipid with anti-neoplastic effectivity
  - a water or lipid-soluble anti-oestrogen with anti-neoplastic effectivity, associated in a liposomal form with the alkylphospholipid
  - a phospholipid without anti-neoplastic effectivity
  - if need be, cholesterol or any other suitable sterol
  - if need be, a lipid with positive or negative charge
  - if need be, a polyethylene glycol modified lipid (PEG lipid)
  - pharmaceutically customary carrier and ancillary materials.
2. Means according to Claim 1, wherein compounds of general structure 1 are used as alkylphospholipids,

Structure I:



with the meanings:

- R: an alkyl, alkenyl or alkinyl residue with 12 to 22 C atoms
- Y: oxygen, sulphur or  $\text{CH}_2$
- P: phosphate ( $\text{PO}_2$ )
- X: a choline or modified choline rest or serine, ethanolamine, glycerine groups or synthetic

modifications of these groups such as the piperidine-4-yl group

- 1       3. Means according to claims 1 and 2, wherein suitably  
2              hexadecylphosphocholine, octadecylphosphocholine, erucylphosphocholine,  
3              octadecyl-[2-(N-methylpiperidino)ethyl]phosphate,  
4              octadecylphosphoethanolamine and hexadecyl-phosphoserine are used.
- 1       4. Means according to Claim 1, wherein anti-oestrogens such as Tamoxifen,  
2              Droloxifen, Toremifene, Idoxifene, Raloxifene, Miproxifene-Phosphate (TAT-  
3              59), ICI 164,3384, ICI 182,780 and the main metabolites of Tamoxifen, 4-  
4              hydroxytamoxifen, N-desmethyltamoxifen, including new anti-oestrogens not  
5              yet described in more detail, are used as further substances with an anti-  
6              neoplastic effect, associated with the alkylphospholipid in a liposomal form.
- 1       5. Means according to Claim 1, wherein an anti-neoplastically inert lipid of  
2              natural or synthetic origin such as phosphocholine, serine, ethanolamine,  
3              glycerol or other similar lipids is used as the basic lipid for the membrane  
4              formation, the ratio of lipid to anti-oestrogen being 0-10 : 1 (m/m).
- 1       6. Means according to Claim 1, wherein cholesterol or another suitable sterol  
2              such as sitosterol is contained and the sterol is in a molar ratio of 0-1 : 1 to the  
3              alkylphospholipid.

1 8. Means according to Claim 1, wherein it contains OPP as the first anti-  
2 neoplastically effective substance and Tamoxifen as a further anti-  
3 neoplastically effective substance.



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